

CLAIM AMENDMENTS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claim 1 (Currently Amended): A method for capturing biological tissues, comprising ~~main steps as follows:~~

~~step a:~~ placing a cellular biological tissue sample on a biological tissue slide; ~~slide, and then,~~

after said placing is performed, inverting said biological tissue slide and fixing said biological tissue slide on a working platform, so that the biological tissue sample is disposed between the biological tissue slide and the working platform;

positioning the biological tissue slide, with the tissue sample disposed thereunder, above a flat planar tissue sample protecting means, said tissue sample protecting means having a tissue sample hole therein;

~~step b:~~ labeling the desired defining a tissue profile from of the tissue sample ~~cell sample to be captured, and controlling a micro-feeding mechanism through a controlling circuit to drive said working platform for carrying out tissue capturing;~~

~~step c:~~ cutting a minute cutting along the tissue profile to form a cell sample from the tissue sample, of a cell sample using a contactless cutting apparatus;

~~step d:~~ after cutting along the tissue profile of the cellular sample, said ~~controlling circuit output a signal to drive~~ driving said working platform such that a the center of the cell sample is disposed under said cellular sample ~~thus cut and being able to be captured will move precisely against the impact lever linking head of a~~ an impact lever moving mechanism; and

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~~step e: said impact lever moving mechanism applying a an impact force to impact said biological tissue slide with the impact lever moving mechanism, thereby causing said cell sample to drop down through the tissue sample hole and into a sampling mortar said captured cell sample;~~

~~step f: said captured cell sample dropping and passing exactly through a tissue sampling hole provided on a tissue sample protecting means into a sampling mortar; and~~

~~step g: accomplishing the action of capturing cell sample specimens.~~

Claim 2 (Currently Amended): A device for capturing biological tissues, comprising:

a working platform;

a biological tissue slide adapted to receive a biological tissue sample thereon, said biological tissue slide being fixed to said working platform in an inverted state, so that the biological tissue sample is disposed between the biological tissue slide and the working platform;

~~a contactless cutting apparatus, comprising a tool for cutting a cell sample along a defined tissue profile from the biological cellular tissue sample through laser beam heating based on the principle of focusing the laser beam into a point such that, as said laser beam point illuminating said biological cellular tissue, the high heat of said laser beam can heat and evaporate said tissue and hence cut said illuminated area to achieve the effect of dissecting and cutting;~~

~~a micro-feeding mechanism, for driving a said working platform;~~

~~a working platform, for fixing a biological tissue slide thereon such that a target tissue to be captured can be labeled through the displaying of a microscope, and, by moving said micro-feeding mechanism and said contactless cutting apparatus, the cellular tissue can be cut along a profile;~~

an impact lever moving mechanism, for providing an impact a force or vibration force to said biological tissue slide from up to down such that the captured cell sample can drop down through a tissue sampling hole into a sampling mortar;

an impact lever linking head, comprising a flexible part provided at the front end of said impact lever moving mechanism for protecting said biological tissue slide, whereby as said impact lever moving mechanism applying an impact force upon said biological tissue slide, said cellular sample to be captured can drop down;

a biological tissue slide, comprising a flat clear sheet for placing said biological cellular tissue thereon;

a flat sheet tissue sample protecting means, under said working platform, and having a tissue sampling hole therein, the tissue sampling hole being disposed under the cell sample comprising a thin and flat sheet provided with said tissue sampling hole that penetrates through said means and has a diameter just equal to the diameter of said sampling mortar; and

a sampling mortar disposed under said tissue sampling hole sample protecting means, wherein said sampling mortar has a diameter larger than a diameter of said tissue sampling hole, so that when a tissue sampling hole, being provided on said tissue sample protecting means in a manner that, as said impact lever moving mechanism provides the linking head applying from up to down an appropriate impact force to the biological tissue slide or vibration force onto the target region to be captured, said cell sample captured cell sample can drops exactly through the tissue sampling hole and into said sampling mortar, while preventing located below said target tissue so as to prevent any unwanted biological tissue cell sample from dropping into said sampling mortar and thus achieve the object of capturing the desired minute biological cellular tissue.

Claim 3 (Currently Amended): A The method for capturing biological tissue as recited in claim 1, wherein said contactless cutting apparatus cuts said cellular tissue by means of is an air knife.

Claim 4 (Currently Amended): A The device for capturing biological tissue as recited in claim 2, wherein said contactless cutting apparatus cuts said cellular tissue by means of is an air knife.

Claim 5 (New): The method as recited in claim 1, wherein said contactless cutting apparatus is a laser.

Claim 6 (New): The method as recited in claim 1, further comprising outputting a control signal to control at least one of said cutting apparatus, driving of said working platform, and memory functions.

Claim 7 (New): The method as recited in claim 1, further comprising repeating the recited operations.

Claim 8 (New): The method as recited in claim 1, wherein said tissue sample hole has a larger diameter than a diameter of said sampling mortar.

Claim 9 (New): The method as recited in claim 1, wherein said impact lever has a flexible linking head.

Claim 10 (New): The method as recited in claim 1, wherein a controlling circuit is used in driving the working platform.

Claim 11 (New): The method recited in claim 1, wherein said force is an impact force.

Claim 12 (New): The method recited in claim 1, wherein said force is a vibrational force.

Claim 13 (New): The device as recited in claim 2, wherein said impact lever moving mechanism includes a flexible lever linking head.

Claim 14 (New): The device as recited in claim 2, wherein said contactless cutting apparatus is a laser.

Claim 15 (New): The device as recited in claim 2, wherein said force is an impact force.

Claim 16 (New): The device as recited in claim 2, wherein said force is a vibrational force.